LABORATORY ANALYSIS



Tel: 1-800-876-0008 info@englube.com

COPELAND(EMERSON CLIMATE TECHNOLOGIES)
3101 W MILITARY HWY BUILDING 2, (SALTILLO PLANT)

SALTILLO, AM

MX

Contact: Adriel Alviso Adriel.Alviso@copeland.com

T: F:

Department DIECAST

Equipment No. TANQUE QUENCH 02-CELDA 02 (X0005)

System Quenching Fluid

Oil Type ENGINEERED LUBRICANTS ENCOOL SOL-6465GF-ND-XL-RO (525 GAL)

Diagnosis

{not applicable} There is no indication of any contamination in the quenching fluid. Tertiary amine content is out of range.

Sample Informat	tion				
Lab Number		New	2404-00452	2311-00629	2309-00969
Date of Sample		(Typical)	03 Apr 2024	26 Oct 2023	22 Sep 2023
Oil Added			UNK	UNK	UNK
Last Drain Date					
Last Filter Service					
Sample Point					
Sample Status			ABNORMAL	SEVERE	NORMAL
RATIO PER REI	FRACT	OMETER			
Refract. Reading			2.5	2.7	3.0
Refract. Model			DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water		11:1	1 0:1	■9:1
ALKALINE RESI	ERVE (ADDITION C	F DEIONIZED	WATER IS PREFE	ERRED)
Alkaline Reserve			120	123	119
pH (ASTM E-70))				
рН	Scale 0-14		9.6	■ 9.4	■ 9.0
Ratio Rec'd	oil:water		AS REC'D	AS REC'D	AS REC'D
HARDNESS (mg	g/L CaC	O3)			
Hardness (CaCO3)	mg/L	,	47.2	1 82.1	241.6
Grains	mg/L		2.8	10.7	14.2
TOTAL AMINE				100	
Total	mmol/gram		■ 0.13	□0.17	□0.14
Tertiary	mmol/gram		△ 0.08	△ 0.08	0.09
Primary	mmol/gram		■ 0.05	△ 0.09	0.05
CIC CORROSIC	N				
CIC Dilution			AS REC'D	AS REC'D	AS REC'D
CIC Corrosion	%		■0.0	0.0	0.0
GRAVIMETRIC,	ma/l				
Filter Micron			0.45	0.45	0.45
Gravimetric	μ mg/L		0.45 ■ 6	12	0.43
		D 0		12	
BACTERIA COL	•	ass Range 0	•		
Bacteria Class	Scale 0-6		■0	1	□0
FUNGUS COUN	IT (Clas	s Ranges: Y	east 0 to 4/Mol	d 0 to 3)	
Yeast Class	Scale 0-4		■ 0	□0	□ 0
Mold Class	Scale 0-3		■0	A 3	0
ENERGY DISPE	ERSIVE	XRF (*BELC	NUMINIM WC	DETECTION LIMIT	-)
ppm Chlorine (CI)	ppm		*	*	*
Contamination					

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Customer Id: EMESAL Sample No.: EN24040452 Lab Number: 24040452 Test Package: TEST

Water

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To discuss the diagnosis or test data: Brad Fritz +1 (314)872-9540 bfritz@englube.com

To change component or sample information: Tracy Weaks +1 (314)872-9540 tweaks@englube.com NEG

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FUEL REPORT

